



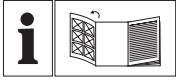
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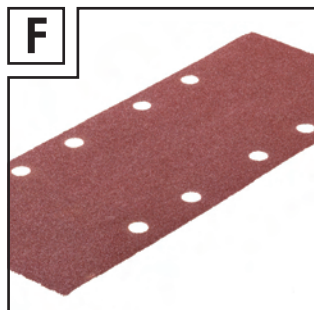
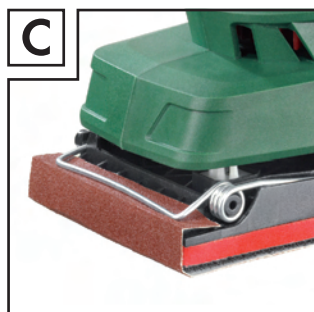
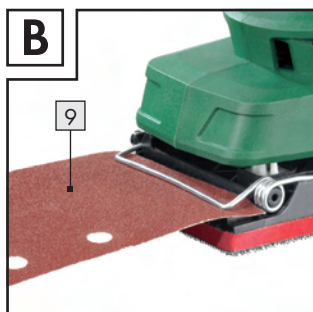
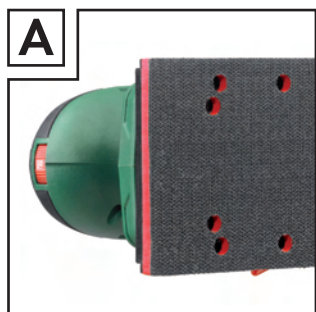
ORBITAL SANDER

Operation and Safety Notes



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Before reading, unfold the page containing the illustrations and familiarise yourself with all functions of the device.



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The following pictograms are used in these operating instructions / on the device:

| | | | |
|--|--|---|--|
|  | Read instruction manual! |  | Wear hearing protection, dust protection mask, protective glasses and protective gloves. |
|  | Observe caution and safety notes! |  | Safety class II |
|  | Caution - electric shock! Danger to life! |  | Keep children away from electrical power tools! |
|  | Risk of explosion! |  | Risk of loss of life by electric shock from damaged mains lead or mains plug! |
|  | Risk of fire! |  | Protect electrical power tools from moisture! |
| n₀ | No load speed |  | Dust hazard! |
| V~ | Volt (AC) |  | Dispose packaging and appliance in an environmentally-friendly way! |
| W | Watts (Effective power) | | |

Orbital sander PSS 250

● Introduction



Before using the appliance for the first time familiarize yourself with all functions of the appliance and inform yourself about the correct handling of electrical tools. Please read the following operating instructions carefully. Retain these instructions for future reference. Additionally, pass them on to whoever might acquire the appliance at a future date.

● Intended use

The oscillating sander is suited for dry sanding of wood, plastics and paints. Any other use or modification is considered improper use and involves significant accident risks. The manufacturer declines to accept responsibility for damage(s) arising out of usage contrary to the instructions specified below. The appliance is not meant for commercial use.


● Features

- 1 ON/OFF switch
- 2 Locking button for the ON/OFF switch
- 3 Release button
- 4 Dust collection box
- 5 Connection (vacuum dust extraction)
- 6 Clamping bars
- 7 Tensioning lever
- 8 Sanding plate
- 9 Sanding Pad
- 10 Oscillation speed selection
- 11 Grip surface
- 12 Reducer

● Delivery contents

- 1 x Orbital sander PSS 250
- 1 x Sanding sheet (Grit 120), see Fig. F
- 1 x Dust collection box
- 1 x Reducer, see Fig. D
- 1 x Operating manual

● Technical Data

| | |
|---------------------------|--|
| Nominal voltage: | 230V ~ 50 Hz |
| Nominal power: | 250 W |
| Idle speed: | n_0 7.000 - 12.000 rpm |
| Idle oscillation speed: | n_0 14.000 - 24.000 rpm |
| Sanding sheet dimensions: | Hook and loop fastening 93 x 185 mm |
| | Clamp fastening 93 x 230 mm |
| Protection class: | II /  |

Noise and vibration data:

Values determined in accordance with EN 60745
The sound pressure level (A-weighted) of the device is typically 82 dB(A). Uncertainty K = 3 dB.
The sound level while working can exceed 93 dB(A).



Wear ear protection!

Evaluated acceleration, typical:

Hand / arm vibration a_{h1} = 5,5 m/s²
Uncertainty K = 1,5 m/s²

⚠ WARNING! The vibration level given in these instructions has been measured in accordance with a standardised measurement procedure specified in EN 60745 and can be used to compare devices. Different uses of the device give rise to different vibration levels and in many cases they may exceed the values given in these instructions. It is easy to underestimate the vibration load if the electrical power tool is used regularly in particular circumstances.

Note: If you wish to make an accurate assessment of the vibration loads experienced during a particular period of working, you should also take into account the intervening periods of time when the device is switched off or is running but is not actually in use. This can result in a much lower vibration load over the whole of the period of working.





General safety advice for electrical power tools

⚠ WARNING! Read all the safety advice and instructions! Failure to observe the safety advice and instructions may result in electric shock, fire and/or serious injury.

KEEP ALL THE SAFETY ADVICE AND INSTRUCTIONS IN A SAFE PLACE FOR FUTURE REFERENCE! THE TERM "ELECTRICAL TOOL" USED IN THE SAFETY ADVICE REFERS TO ELECTRICAL TOOLS POWERED BY MAINS ELECTRICITY (BY MEANS OF A MAINS LEAD) AND ELECTRICAL TOOLS POWERED BY RECHARGEABLE BATTERIES (WITHOUT A MAINS LEAD).

1. Workplace safety


- Keep your working area clean and well lit.** Untidy or poorly lit working areas can lead to accidents.
-  **Do not work with the device in potentially explosive environments in which there are inflammable liquids, gases or dusts.**
Electrical power tools create sparks, which can ignite dusts or fumes.
-  **Keep children and other people away while you are operating the electrical tool.**
Distractions can cause you to lose control of the device.

2. Electrical safety




To avoid danger to life from electric shock:

- The mains plug on the device must match the mains socket. The plug must not be modified in any way. Do not use an adapter plug with devices fitted with a protective earth.** Unmodified plugs and matching sockets reduce the risk of electric shock.

- b) **Avoid touching earthed surfaces such as pipes, radiators, ovens and refrigerators with any part of your body.** There is an increased risk of electric shock if your body is earthed.
- c) **Keep the device away from rain or moisture.** Water entering an electrical device increases the risk of electric shock.
- d)  **Do not use the mains lead for any purpose for which it was not intended, e.g. to carry the device, to hang up the device or to pull the mains plug out of the mains socket. Keep the mains lead away from heat, oil, sharp edges or moving parts of the device.** Damaged or tangled mains leads increase the risk of electric shock.
- e) **When working outdoors with an electrical power tool always use extension cables that are also approved for use outdoors.** The use of an extension cable suitable for outdoor use reduces the risk of electric shock.
- f) **Use a residual current device (RCD) for protection if operating the electrical power tool in a moist environment is unavoidable.** The use of an RCD reduces the risk of electric shock.
- c) **Avoid unintentional operation of the device. Check that the electrical power tool is switched off before you connect it to the mains, pick it up or carry it.** Accidents can happen if you carry the device with your finger on the ON/OFF switch or with the device switched on.
- d) **Remove any setting tools or spanners before you switch the device on.** A tool or spanner left attached to a rotating part of a device can lead to injury.
- e) **Avoid placing your body in an unnatural position. Keep proper footing and balance at all times.** By doing this you will be in a better position to control the device in unforeseen circumstances.
- f) **Wear suitable clothing. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves clear of moving parts.** Loose clothing, jewellery or long hair can become trapped in moving parts.
- g) **If vacuum dust extraction and collection devices are fitted do not forget to check that they are properly connected and correctly used.** The use of these devices reduces the hazard presented by dust.

3. Personal safety

- a) **Remain alert at all times, watch what you are doing and always proceed with caution. Do not use the device if you are tired or under the influence of drugs, alcohol or medication.** One moment of carelessness when using the device can lead to serious injury.
- b)  **Wear personal protective equipment and always wear safety glasses.** The wearing of personal protective equipment such as dust masks, non-slip safety shoes, safety helmets or ear protectors, appropriate to the type of electrical power tool used and work undertaken, reduces the risk of injury.
- a) **Do not overload the device. Always use an electrical power tool that is intended for the task you are undertaking.** By using the right electrical power tool for the job you will work more safely and achieve a better result.
- b) **Do not use an electrical power tool if its switch is defective.** An electrical power tool that can no longer be switched on and off is dangerous and must be repaired.
- c) **Pull the mains plug from the socket before you make any adjustments to the device, change accessories or when the device is put away.** This precaution is intended to prevent you from unintentionally starting the device.






- d) **When not in use always ensure that electrical power tools are kept out of reach of children. Do not let anyone use the device if he or she is not familiar with it or has not read the instructions and advice.** Electrical power tools are dangerous when they are used by inexperienced people.
- e) **Look after the device carefully. Check that moving parts are working properly and move freely. Check for any parts that are broken or damaged enough to detrimentally affect the functioning of the device. Have damaged parts repaired before you use the device.** Many accidents have their origins in poorly maintained electrical power tools.
- f) **Keep cutting tools clean and sharp.** Carefully maintained cutting tools with sharp cutting edges are less likely to jam and are easier to control.
- g) **Use the electrical power tool, accessories, inserted tools etc. in accordance with these instructions and advice, and the stipulations drawn up for this particular type of device. In doing this, take into account the working conditions and the task in hand.** The use of electrical power tools for purposes other than those intended can lead to dangerous situations.



Appliance-specific safety instructions

To avoid the risk of injury or fire as well as health risks:

- **When working outdoors, connect the appliance via a residual current circuit-breaker with a maximum breaking current of 30 mA.**
- **Only use an extension cord certified for use outdoors.**
- **Secure the workpiece firmly. Use clamps / vices to firmly hold the workpiece.** It is thus better secured than just with your hand.
- **In case of danger, immediately pull the power plug from the socket.**

- **Always run the power cord away from the appliance to the rear.**
-  **DANGER OF FIRE FROM FLYING SPARKS!** Abrading metal creates flying sparks. For this reason, always make sure that nobody is placed in any danger and that there are no inflammable materials near the working area.
-  **WARNING! NOXIOUS FUMES!** Any harmful / noxious dusts generated from sanding represent a risk to the health of the person operating the device and to anyone near the work area.
-  **WARNING! DUST HAZARD!** When sanding wood and in particular when working on materials that give rise to dusts that are hazardous to health, the sander must be connected to a suitable external dust extraction device.
-  **Wear protective glasses and a dust mask!**
- **Ensure sufficient ventilation when working on plastics, paints, lacquers, etc.**
- **Do not soak materials or surfaces to be worked with liquids containing solvents.**
- **Avoid sanding of lead-based paints or other materials that are hazardous to health.**
- **Material containing asbestos may not be worked on.** Asbestos is considered a carcinogen.
- **The appliance is designed for dry surface sanding of wood, plastic, metal and smoothing compounds as well as painted surfaces.**
- **Never work on moistened materials or wet surfaces.** Water entering an electrical device increases the risk of electric shock.
- **Always hold the appliance firmly with two hands while working (see also Fig. D, E).**
- **Never support your hands next to or in front of the device or on the surface being worked as there is a risk of injury in the event of slipping.**
- **Always switch off the appliance and allow the sanding pad  to come to**

a stop before setting down the oscillating sander.

- **Always pull the power plug out of the socket for all work pauses, before any work on the appliance (e.g. changing the sanding paper) and when not in use.**
- **The appliance must always be kept clean, dry and free of oil or lubricating greases.**

● Original ancillaries / and accessories

- Only use accessories and tools that are specified in the operating instructions. The use of tools and accessories other than those recommended in the operating instructions could lead to an increased risk of personal injury for you.

● Operation

● Operation

Take note of the mains voltage! The voltage must agree with the information on the type plate of the appliance (appliances that are designated as 230V can also be connected to 220V).

● Switching On and Off

Switching on intermittent function:

- Press the ON/OFF switch **1**.

Switching off intermittent function:

- Release the ON/OFF switch **1**.

Switching on continuous operation :

- Press the ON/OFF switch **1**, hold it pressed and press the locking button **2**.

Switching off continuous operation:

- Press the ON/OFF switch **1** then release it again.

● Setting the oscillation speed

You can set the desired oscillation speed as needed with the oscillation speed selector **10**. The required oscillation speed depends on the material being worked and can be determined through practical tests.

● Attaching a sanding pad

⚠ WARNING! Before performing work on the appliance, always disconnect the power.

NOTE: Before attaching a new sanding pad **9**, remove dust and dirt from the sanding plate **8**.

Sanding sheets with hook and loop fastening:

- Fix one side of the sanding sheet **9** flush with one side of the backing plate **8**.
- Then attach the sanding sheet **9** to the backing plate **8** and press it firmly into place.

Sanding sheets without hook and loop fastening:

- Open the two clamping levers **7**.
- Push one end of the sanding sheet **9** under the open clamping bar **6** and clamp the sheet firmly in place by locking the clamping lever **7** back in place.
- Repeat this procedure at the other end.

Various materials require different grit values. You can read which grit value is best suited for which work in our recommendations under "Instructions, tips and tricks".

● Vacuuming dust



⚠ WARNING! FIRE HAZARD!

A risk of fire exists when working with electrical appliances that have a dust collection box **4** or can be attached to a vacuum cleaner via an external suction adapter! Under certain conditions the sanding dust in the dust box (or in the vacuum's dust bag) may self-ignite, e.g. as a result of flying sparks generated when abrading

metals or metal objects left in wood. This can happen especially if the wood dust has paint particles on it or is mixed with other chemical substances and the sanded material is hot after extensive working. You should therefore avoid overheating of products being sanded as well as the appliance and always empty the dust collection box [4] or the dust bag of the vacuum cleaner before work pauses.



Wear a dust mask!

Vacuuming dust with the dust collection box

Attach the dust collection box:

- Push the dust collection box [4] on to the device.

Remove the dust collection box:

- Press the release button(s) [3] and pull the dust collection box [4] off the device.

NOTE: Always empty the dust collection box [4] in due time and shake any remaining dust out; this will ensure optimal vacuum performance.

Dust extraction using an external vacuum extraction device

Connecting:

- For vacuum dust removal using a vacuum cleaner, push the suction hose of a vacuum cleaner approved for use as a dust extraction device (e.g. a workshop vacuum cleaner) into the connection [5] – see Fig. D.

NOTE: If it is necessary to use the reducer piece [12], push the reducer piece into the connection [5].

Removing:

- Pull the hose of the dust extraction device off the connection [5] or off the reducer piece [12], if one is used.

● **Instructions, tips and tricks**

- Move the oscillating sander parallel, in flat circles or alternating between lengthwise and side-to-side motions.
- Do not press down with the oscillating sander. The sanding pads become clogged, which reduces the sanding performance.
- Clean the sanding pad [9] occasionally with the vacuum cleaner.
- The removal performance and therefore the result of your work are determined by the correct selection of the speed and sanding pad [9] grit.
- Never sand different materials with the same sanding pad [9] (e.g. wood then metal).

The following table offers some values, which are for information only and may simplify the selection of a sanding pad [9].

| Wood | Sanding Pad / Grit |
|--|--------------------|
| Sanding of wood | 40-240 |
| Pre-sanding, e.g. of rough, unplanned beams and boards | 40, 60 |
| Surface sanding | 80, 100, 120 |
| Fine sanding of hard woods | 180, 240 |

| Paints / Lacquers | Sanding Pad / Grit |
|---|--------------------|
| Sanding of paint / lacquer coats or base coats such as filler and smoothing compound | 40-320 |
| Sanding off paint | 40, 60 |
| Sanding off primer coats | 80, 100, 120 |
| Final sanding of base coats before painting | 180, 240, 320 |

● Maintenance and Cleaning

⚠ WARNING! DANGER OF INJURY!

Before performing any work on the appliance, disconnect the power plug.

- Clean the appliance regularly, preferably always immediately after use.
- Do not use any sharp objects for cleaning the appliance. Never permit fluids to permeate inside the appliance.
- Use a cloth to clean the casing. Never use petrol, solvents or cleansers that damage plastics. A vacuum cleaner is required for thorough cleaning of the appliance.
- Ventilation openings must never be obstructed.
- Remove adhering sanding dust with a brush.

● Service centre

- **⚠ WARNING!** Have your device repaired only by qualified specialist personnel using original manufacturer parts only. This will ensure that your device remains safe to use.
- **⚠ WARNING!** If the plug or mains lead needs to be replaced, always have the replacement carried out by the manufacturer or its service centre. This will ensure that your device remains safe to use.

● Warranty

This appliance is guaranteed for 3 years from the date of purchase. It has been carefully produced and meticulously checked before delivery. Please keep your receipt as proof of purchase. Contact your service centre by telephone in case of questions pertaining to the warranty. Your goods can be transmitted free of cost only in this manner. This warranty applies only to the initial purchaser and is non-transferable.

The warranty covers only material or manufacturing faults, not normal wear or damage to fragile parts such as switches or rechargeable batteries. The appliance is intended solely for private, not commercial, use.

If this product has been subjected to improper or inappropriate handling, abuse, or interventions not carried out by one of our authorised sales and service outlets, the warranty will be considered void. This warranty does not affect your statutory rights.

GB

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IE

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*** Standard call rates apply.**
Mobile operators may vary.
e-mail: support.ie@kompernass.com

● Disposal



The packaging is made from environmentally-friendly material and can be disposed off at your local recycling plant.



Do not dispose of electrical appliances in normal household refuse!

According to European Directive 2002 / 96 / EC for used electrical and electronic appliances and its adoption into national laws, worn-out electrical

tools must be collected separately and subjected to an environmentally friendly recycling procedure.

Your local communal or municipal authorities can provide information on how to dispose of the worn-out appliance.

● **Conformity Declaration /
Manufacturer CE**

We, Kompernaß GmbH, Burgstr. 21, D-44867 Bochum, Germany, hereby declare that this product complies with the requirements of the following EC directives:

**EC machine guideline
(98 / 37 / EC)**

**EC Low Voltage Directive
(2006 / 95 / EC)**

**EMC (Electromagnetic Compatibility)
(2004 / 108 / EC)**

Type / Appliance Designation:
Parkside Orbital sander PSS 250

Bochum, 31.07.2009



Hans Kompernaß
- Managing Director -

Subject to technical changes in the course of further developments.

IAN 35324
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